



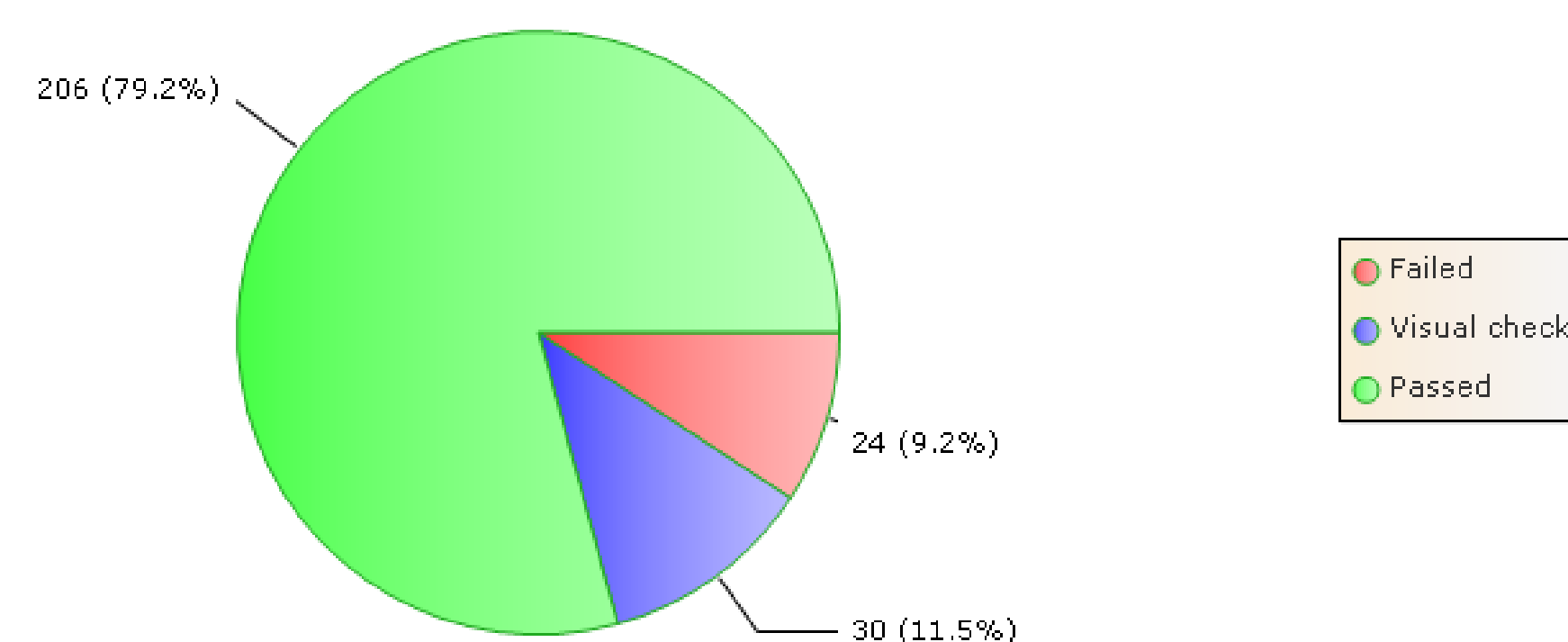
# Evaluating a process to make an online environmental model accessible under ADA

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Special thanks to: Dr. B. Engel, Head and Professor, ABE

## Compliance Sheriff Software

- Assure compliance with federal (ADA) and international accessibility guidelines to reduce the risk of litigation and penalties.
- Increase site usage by making all of your Web properties accessible to people with disabilities (WCAG, Section 508, AODA, Canada's Standard on Accessibility).
- Prevent privacy breaches involving personal and health information.
- Protect confidential company and OPSEC information from leaking to the public through online exposure.
- Web content and applications, as well as Microsoft Office and PDF documents can be validated for any compliance regulation including custom rules.

Result metrics



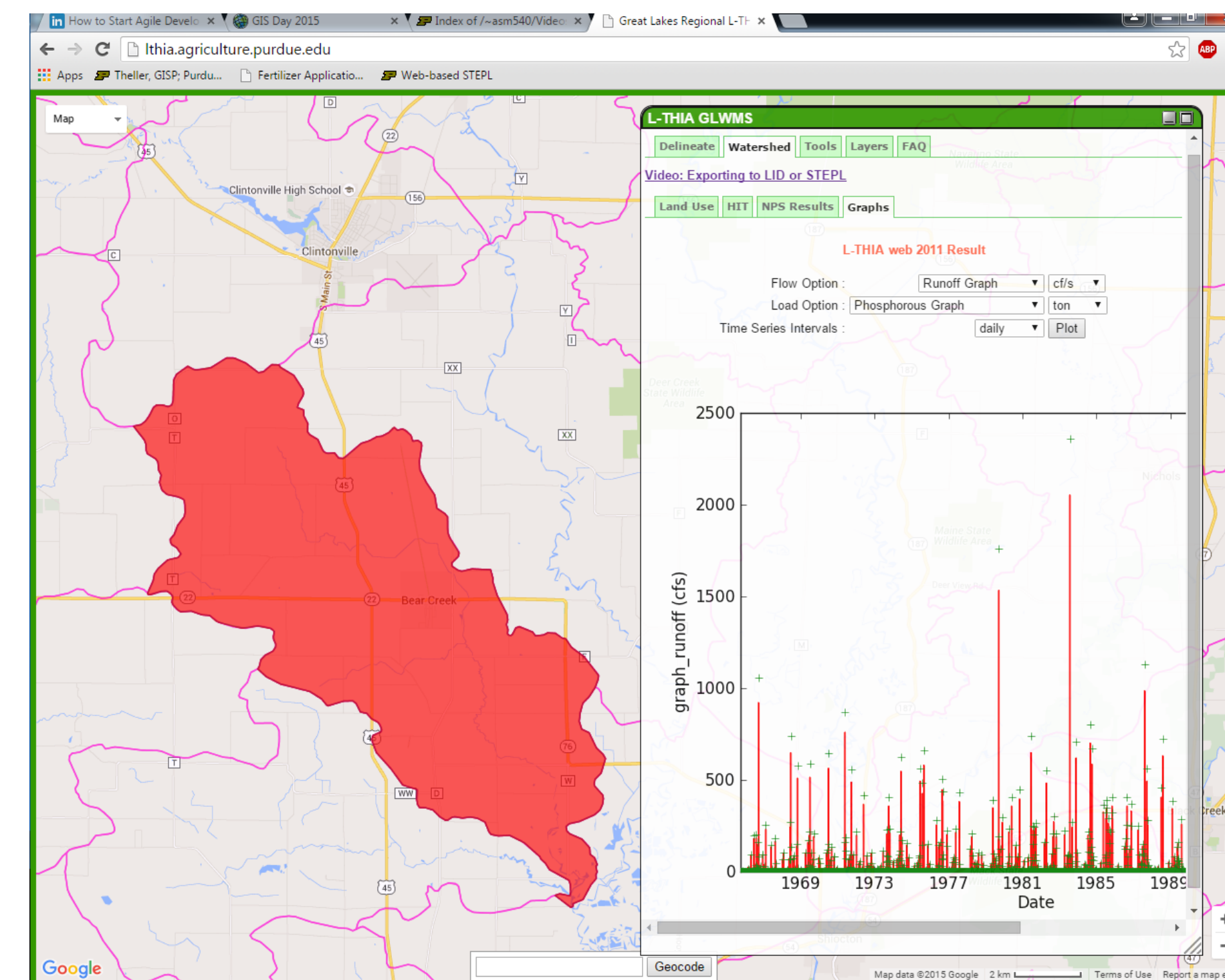
Scan ID	Base URL	Last Finished	Pages	Status	Health	Scheduled	Run	More
Training - KeharaTaylor10	http://buckeye.agriculture.purdue.edu/blue/	7/22/2015 9:37:34 PM	17	Completed	59%	Schedule	Run	More
Training - KeharaTaylor11	http://buckeye.agriculture.purdue.edu/blue/	7/23/2015 4:48:04 PM	1	Completed	75%	Schedule	Run	More
Training - KeharaTaylor12	https://engineering.purdue.edu/maps/serve/	8/25/2015 10:12:48 AM	18	Completed	35%	Schedule	Run	More
Training - KeharaTaylor13	https://engineering.purdue.edu/maps/serve/	8/25/2015 10:07:31 AM	19	Completed	36%	Schedule	Run	More
Training - KeharaTaylor2	http://buckeye.agriculture.purdue.edu/blue/	7/22/2015 8:50:49 PM	25	Completed	33%	Schedule	Run	More
Training - KeharaTaylor3	http://buckeye.agriculture.purdue.edu/blue/	7/22/2015 8:56:33 PM	6	Completed	58%	Schedule	Run	More
Training - KeharaTaylor4	http://lthia.agriculture.purdue.edu/	7/22/2015 9:02:29 PM	12	Completed	45%	Schedule	Run	More
Training - KeharaTaylor5	http://buckeye.agriculture.purdue.edu/blue/	7/22/2015 9:09:32 PM	1	Completed	72%	Schedule	Run	More
Training - KeharaTaylor6	http://buckeye.agriculture.purdue.edu/blue/	7/22/2015 9:19:20 PM	1	Completed	77%	Schedule	Run	More
Training - KeharaTaylor7	http://buckeye.agriculture.purdue.edu/blue/	7/22/2015 9:22:16 PM	1	Completed	72%	Schedule	Run	More
Training - KeharaTaylor8	http://buckeye.agriculture.purdue.edu/blue/	7/22/2015 9:23:49 PM	1	Completed	75%	Schedule	Run	More
Training - KeharaTaylor9	http://buckeye.agriculture.purdue.edu/blue/	7/22/2015 9:27:25 PM	1	Completed	72%	Schedule	Run	More

Top 10 Issues		
Result		Page Count
Page must specify LANG and/or XML:LANG attribute on the html element.		12
Data table must have caption to identify table		7
No summary provided for data table.		7
Data table must have one row or column of headers		6
Data table is not using proper markup.		6
FRAME element does not contain a TITLE attribute.		5
IMG element contains no ALT attribute.		4
Adjacent links for same resource found		2
Page contains substantial text, but does not use headers.		2
Page does not use headers according to specification.		2

## Problem Statement

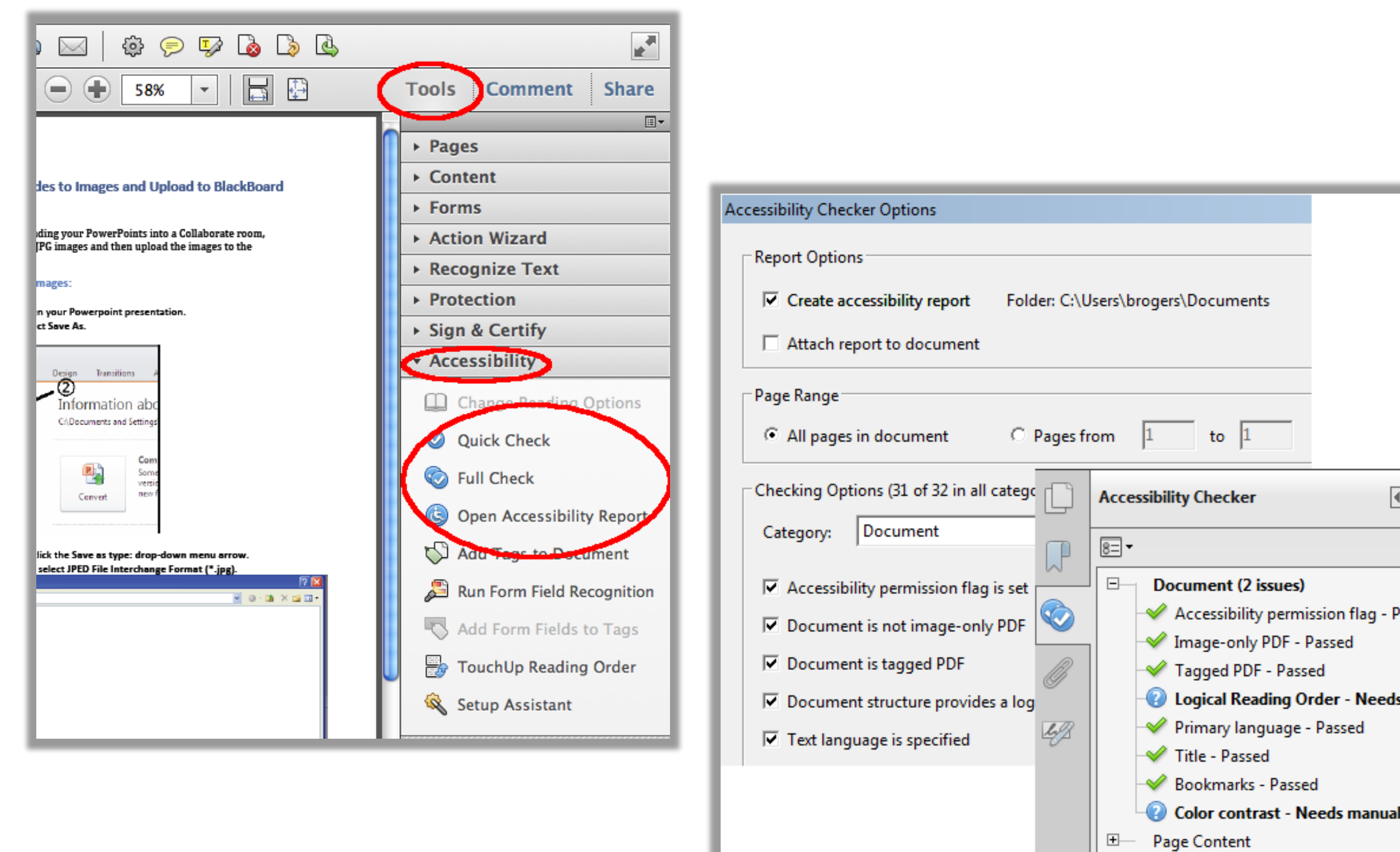
Many map-based environmental models contain a wide array of features and design elements which are inherently not ADA-compliant. Compliance is not just nice – it is a federal law, and Purdue is currently encouraging voluntary efforts to comply.

Purdue provides a range of tools such as Compliance Sherriff to assist web masters. Unfortunately it is very difficult to bring map-and mouse-input based models into compliance. This poster describes efforts to do that.

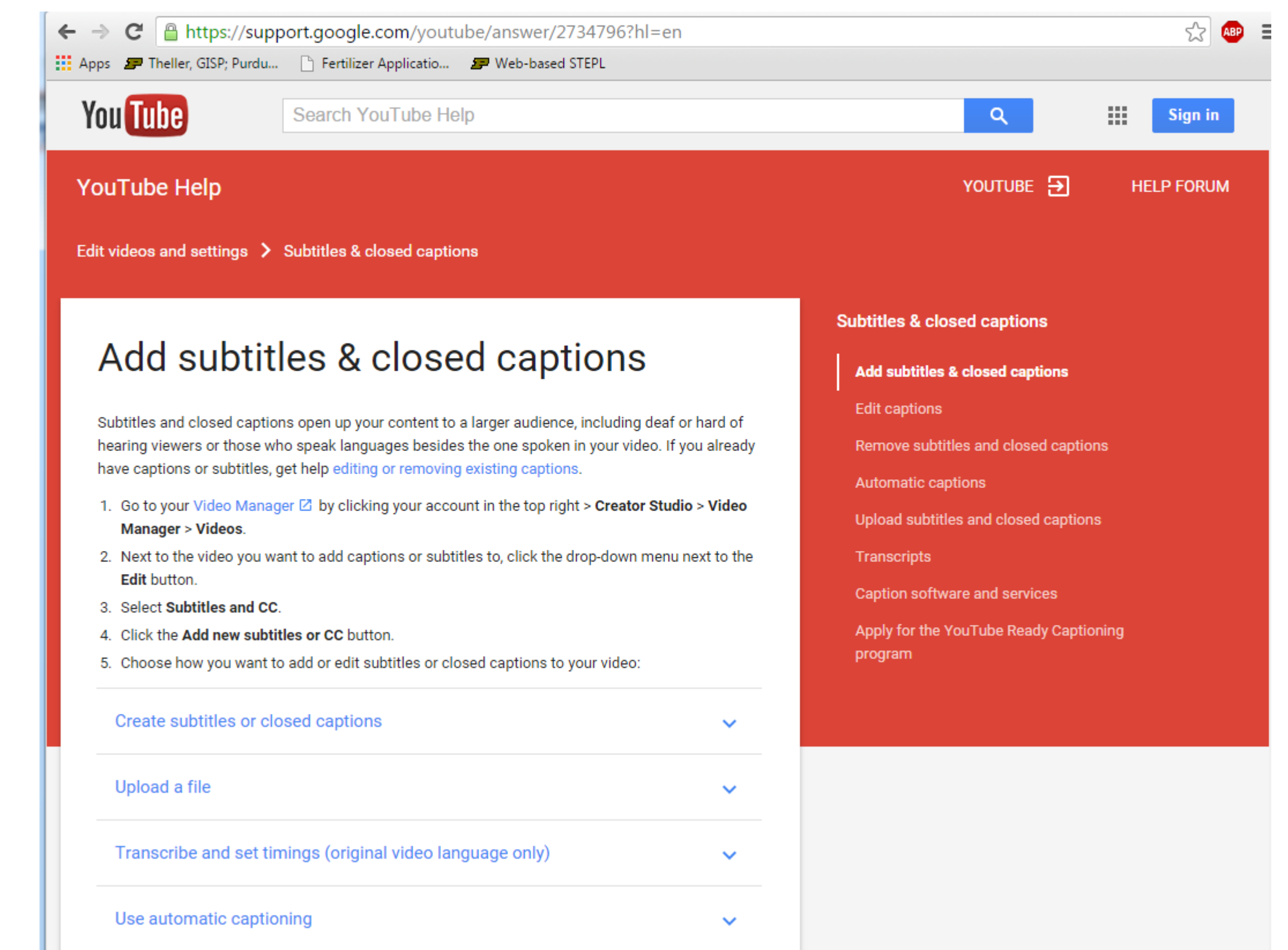


## PDF Document Accessibility

- The existing STEPL website, written by Youn Shik Park, is functional and open to the public. We are to improve and test implementations on a clone of the website before applying the changes.
- Many PDF documents are not compliant. Some have no existing source document other than the PDF.
- Compliance Sherriff offers tools to help with this.
- Documentation of these changes is prioritized in an effort for long term maintenance.



## Video Closed Caption



- The site contains many instructional videos, in flash or MP4 formats.
- These need to be Closed Captioned to be compliant.
- This process, if automated with YouTube toolset, is not sufficient.
- Automated captions must be manually edited.



Incorrect Automated Closed Caption



Manually Corrected Closed Caption